PRODUCT DATA SHEET

GIANT HT-SYN

PREMIUM LITHIUM COMPLEX SOAP WITH PAO BASE OIL

DESCRIPTION

GIANT HT-SYN is a superior lithium complex Super High-Temperature grease containing PAO base oils to withstand the oxidation at extreme high temperatures. It is a high-temperature, high extreme pressure (EP) grease designed to meet the demands of the most severe conditions met in electric motors, mining, industrial and automotive applications.

GIANT HT-SYN is especially designed for applications that will exceed greases using mineral oils as its fully synthetic PAO base oil will outlast the life of those using mineral oils. This is especially important in high temperature applications and in sealed-for-life conditions. Its superior adhesive properties also ensure the grease stays-in-place where it is needed.

GIANT HT-SYN is a unique grease with advanced component technology that will provide outstanding service in the most demanding applications particularly when reliability is of utmost importance for expensive and key equipment.

BENEFITS

- Resilient to oxidation at very high temperatures
- Superior protection against rust and corrosion
- Excellent mechanical stability
- Wide operating temperature range
- Exceeds 50 lb Timken OK Load Test
- Excellent resistance to water spray and washout
- Outstanding storage stability

TYPICAL APPLICATIONS

GIANT HT-SYN is recommended for use in electric motors. Its properties make it suitable for electric motors operating up to 5,000 rpm. A high dropping point of 312 degrees Celsius, low oil bleed characteristics (tested under ASTM D6184), excellent resistance to high-temperature oxidation and good low-temperature torque characteristics make it ideal for this application.

Suitable in sealed-for-life applications. The recommended operating temperature range is from -40°C to 200°C.

TYPICAL PROPERTIES

NLGI		2
Soap/Thickener Type		Lithium Complex
Base Oil Type		PAO
Color	Visual	Purple
Worked Penetration	ASTM D217	286
Dropping Point, ºC	ASTM D2265	328
Oil Viscosity cSt @ 40 ºC	ASTM D445	150
4-Ball Weld, Kg	ASTM D2596	400
4-Ball Wear Scar, mm	ASTM D2266	0.50
Water Spray-Off, wt%	ASTM D1264	1.6
Oil Separation (100°C, 24h), wt%	ASTM D6184	1.2
Copper Corrosion (100°C, 24h),	ASTM D4048	1b